

Water Management

Map symbol and soil name	Component percent	Limitations for--			Features affecting--			
		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
5A: Dakota-----	100	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Favorable	Limitation: too sandy	Favorable
5B: Dakota-----	100	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: too sandy	Favorable
7A: Hubbard-----	100	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake droughty	Limitation: too sandy soil blowing	Limitation: droughty
7B: Hubbard-----	100	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
7C: Hubbard-----	100	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
25: Becker-----	100	Severe: seepage	Severe: seepage piping	Severe: cutbanks cave	Limitation: deep to water	Limitation: soil blowing	Limitation: too sandy soil blowing	Favorable
32B: Nebish-----	100	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing	Favorable
32C: Nebish-----	100	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
32E: Nebish-----	100	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
32F: Nebish-----	100	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope

See footnote at end of table.

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
35: Blue Earth-----	100	Moderate: seepage	Severe: excess humus piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
36: Flom-----	100	Slight	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily wetness
38B: Waukon-----	100	Moderate: seepage slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Favorable	Favorable
38C: Waukon-----	100	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
38D: Waukon-----	100	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
41A: Estherville-----	100	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
41B: Estherville-----	100	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
41C: Estherville-----	100	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
69B: Fedji-----	100	Severe: seepage	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope soil blowing	Limitation: soil blowing	Limitation: rooting depth
72: Shooker-----	100	Moderate: seepage	Severe: piping wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
75: Bluffton-----	100	Moderate: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
109: Cordova-----	100	Moderate: seepage	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
114: Glencoe-----	100	Moderate: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
119B: Pomroy-----	100	Severe: seepage	Moderate: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: percs slowly soil blowing	Limitation: rooting depth droughty
125: Beltrami-----	100	Moderate: seepage	Severe: piping	Severe: slow refill cutbanks cave	Limitation: frost action	Limitation: wetness	Limitation: wetness	Favorable
129: Cylinder-----	100	Severe: seepage	Severe: seepage piping	Severe: cutbanks cave	Limitation: frost action cutbanks cave	Limitation: wetness	Limitation: too sandy wetness	Favorable
133B: Dalbo-----	100	Moderate: seepage slope	Moderate: hard to pack wetness	Severe: slow refill	Limitation: frost action percs slowly slope	Limitation: slope wetness	Limitation: erodes easily wetness	Limitation: erodes easily percs slowly
142: Nokay-----	100	Moderate: seepage	Severe: piping	Severe: no water	Limitation: frost action percs slowly	Limitation: wetness soil blowing droughty	Limitation: percs slowly wetness soil blowing	Limitation: rooting depth wetness droughty
144B: Flak-----	100	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: percs slowly soil blowing	Limitation: rooting depth droughty
144C: Flak-----	100	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: percs slowly slope soil blowing	Limitation: rooting depth slope droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
144E: Flak-----	100	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: percs slowly slope soil blowing	Limitation: rooting depth slope droughty
155B: Chetek-----	100	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
156A: Fairhaven-----	100	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Favorable	Limitation: erodes easily too sandy	Limitation: erodes easily
156B: Fairhaven-----	100	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily too sandy	Limitation: erodes easily
159B: Anoka-----	100	Severe: seepage	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope soil blowing	Limitation: soil blowing	Favorable
163B: Brainerd-----	100	Moderate: seepage	Severe: piping	Severe: no water	Limitation: percs slowly	Limitation: wetness droughty	Limitation: wetness soil blowing	Limitation: rooting depth droughty
179B: Langola-----	100	Severe: seepage	Moderate: seepage piping wetness	Severe: no water	Limitation: percs slowly	Limitation: wetness droughty	Limitation: percs slowly wetness soil blowing	Limitation: percs slowly rooting depth droughty
180A: Gonvick-----	100	Moderate: seepage	Severe: piping	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Favorable
180B: Gonvick-----	100	Moderate: seepage slope	Severe: piping	Severe: slow refill	Limitation: frost action slope	Limitation: slope wetness	Limitation: wetness	Favorable
181: Litchfield-----	100	Severe: seepage	Severe: piping	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
183: Dassel-----	100	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: frost action ponding cutbanks cave	Limitation: soil blowing ponding	Limitation: too sandy soil blowing ponding	Limitation: wetness
200B: Holdingford-----	100	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope soil blowing	Limitation: soil blowing	Limitation: rooting depth
200C: Holdingford-----	100	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope soil blowing	Limitation: slope soil blowing	Limitation: rooting depth slope
204B: Cushing-----	100	Moderate: seepage slope	Severe: thin layer	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: soil blowing	Favorable
204C: Cushing-----	100	Severe: slope	Severe: thin layer	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
204E: Cushing-----	100	Severe: slope	Severe: thin layer	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
207B: Nymore-----	100	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
207C: Nymore-----	100	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
207E: Nymore-----	100	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
218: Watab-----	100	Severe: seepage	Severe: seepage piping wetness	Severe: no water	Limitation: percs slowly cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: rooting depth wetness droughty
233B: Growton-----	100	Moderate: seepage	Severe: piping	Moderate: slow refill deep to water	Limitation: deep to water	Limitation: rooting depth soil blowing	Limitation: soil blowing	Limitation: rooting depth
236: Vallers-----	100	Slight	Severe: piping wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily wetness
255: Mayer-----	100	Severe: seepage	Severe: seepage wetness	Severe: cutbanks cave	Limitation: frost action cutbanks cave	Limitation: wetness	Limitation: too sandy wetness	Limitation: wetness
260: Duelm-----	100	Severe: seepage	Severe: seepage piping	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
261: Isan-----	100	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: ponding cutbanks cave	Limitation: fast intake ponding droughty	Limitation: too sandy soil blowing ponding	Limitation: wetness droughty
281: Darfur-----	100	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: frost action cutbanks cave	Limitation: wetness soil blowing	Limitation: too sandy wetness soil blowing	Limitation: wetness
292B: Alstad-----	100	Moderate: seepage	Severe: thin layer	Severe: no water	Limitation: frost action	Limitation: wetness droughty	Limitation: wetness soil blowing	Limitation: wetness droughty
318: Mayer, Depressional----	100	Severe: seepage	Severe: seepage ponding	Severe: cutbanks cave	Limitation: frost action ponding cutbanks cave	Limitation: ponding	Limitation: too sandy ponding	Limitation: wetness
325: Prebish, Depressional--	100	Moderate: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
327A: Dickman-----	100	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
327B: Dickman-----	100	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
392: Biscay-----	100	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: frost action cutbanks cave	Limitation: wetness	Limitation: too sandy wetness	Limitation: wetness
399: Biscay, Depressional---	100	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: frost action ponding	Limitation: ponding	Limitation: too sandy ponding	Limitation: wetness
406B: Dorset-----	100	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
406C: Dorset-----	100	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
406E: Dorset-----	100	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
413: Osakis-----	100	Severe: seepage	Severe: seepage	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness	Limitation: droughty
414: Hamel-----	100	Moderate: seepage	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
421B: Ves-----	100	Moderate: seepage slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily	Limitation: erodes easily

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
421C: Ves-----	100	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily slope	Limitation: erodes easily slope
446A: Normania-----	100	Moderate: seepage	Severe: wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Favorable
446B: Normania-----	100	Moderate: seepage	Severe: wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Favorable
453B: Demontreville-----	100	Severe: seepage	Moderate: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: soil blowing	Limitation: rooting depth droughty
453C: Demontreville-----	100	Severe: seepage slope	Moderate: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope soil blowing	Limitation: rooting depth slope droughty
454B: Mahtomedi-----	100	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
454C: Mahtomedi-----	100	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy	Limitation: rooting depth slope droughty
454E: Mahtomedi-----	100	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy	Limitation: rooting depth slope droughty
454F: Mahtomedi-----	100	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy	Limitation: rooting depth slope droughty
459: Corunna-----	100	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: frost action cutbanks cave	Limitation: wetness	Limitation: erodes easily too sandy wetness	Limitation: erodes easily wetness

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
461B: Koronis-----	100	Severe: seepage	Slight	Severe: no water	Limitation: deep to water	Limitation: slope	Favorable	Favorable
461C: Koronis-----	100	Severe: seepage slope	Slight	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
465: Kalmarville, Frequently flooded-----	100	Severe: seepage	Severe: piping wetness	Severe: cutbanks cave	Limitation: flooding frost action	Limitation: flooding wetness soil blowing	Limitation: wetness soil blowing	Limitation: wetness
511: Marcellon-----	100	Severe: seepage	Severe: seepage piping wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
525: Muskego-----	100	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: percs slowly ponding	Limitation: percs slowly soil blowing ponding	Limitation: percs slowly soil blowing ponding	Limitation: percs slowly wetness
540: Seelyeville-----	100	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
541: Rifle-----	100	Severe: seepage	Severe: excess humus ponding	Moderate: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
543: Markey-----	100	Severe: seepage	Severe: seepage piping ponding	Severe: slow refill cutbanks cave	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: too sandy soil blowing ponding	Limitation: wetness
544: Cathro-----	100	Severe: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness

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565: Eckvoll-----	100	Severe: seepage	Moderate: piping wetness	Severe: slow refill cutbanks cave	Limitation: frost action	Limitation: fast intake wetness soil blowing	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily
566: Regal-----	100	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness	Limitation: wetness droughty
571: Coriff-----	100	Severe: seepage	Severe: piping wetness	Severe: cutbanks cave	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily wetness
572: Lowlein-----	100	Severe: seepage	Severe: piping	Severe: no water	Favorable	Limitation: wetness soil blowing	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily
582: Roliss-----	100	Moderate: seepage	Severe: piping wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
591B: Doland-----	100	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Favorable	Favorable
597: Tara-----	100	Moderate: seepage	Severe: piping	Moderate: slow refill deep to water	Limitation: deep to water	Favorable	Limitation: erodes easily	Limitation: erodes easily
611C: Hawick-----	100	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
611D: Hawick-----	100	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
639A: Ridgeport-----	100	Severe: seepage	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: soil blowing	Limitation: rooting depth droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
639B: Ridgeport-----	100	Severe: seepage	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: soil blowing	Limitation: rooting depth droughty
804D: Koronis-----	75	Severe: seepage slope	Slight	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
807D: Koronis-----	60	Severe: seepage slope	Slight	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
Sunburg-----	40	Severe: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
848: Urban Land-----	80	---	---	---	---	---	---	---
850: Urban Land-----	80	---	---	---	---	---	---	---
865B: Urban Land-----	90	---	---	---	---	---	---	---
873: Prebish-----	60	Moderate: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
Nokay-----	40	Moderate: seepage	Severe: piping	Severe: no water	Limitation: frost action percs slowly	Limitation: wetness soil blowing droughty	Limitation: percs slowly wetness soil blowing	Limitation: rooting depth wetness droughty
875B: Estherville-----	65	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty
Hawick-----	35	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: too sandy soil blowing	Limitation: droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
954C: Ves-----	70	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily slope	Limitation: erodes easily slope
Storden-----	30	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily slope	Limitation: erodes easily slope
954D: Ves-----	60	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily slope	Limitation: erodes easily slope
Storden-----	40	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily slope	Limitation: erodes easily slope
999B: Ves-----	75	Moderate: seepage slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily	Limitation: erodes easily
999C: Ves-----	70	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily slope	Limitation: erodes easily slope
Estherville-----	30	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
999D: Ves-----	70	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily slope	Limitation: erodes easily slope
Estherville-----	30	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
1013: Pits, quarry-----	100	---	---	---	---	---	---	---
1015: Psammments, sloping-----	100	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
1016: Udorthents, loamy-----	100	Severe: seepage	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: soil blowing	Limitation: droughty
1018: Udifluvents, Frequently flooded-----	100	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: flooding frost action ponding	Limitation: rooting depth ponding droughty	Limitation: too sandy ponding	Limitation: rooting depth wetness droughty
1029: Pits, gravel-----	100	---	---	---	---	---	---	---
1055: Histosols, ponded-----	50	Severe: seepage	Severe: excess humus ponding	Severe: cutbanks cave	Limitation: subsides ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
Aquolls, ponded-----	50	Slight	Severe: ponding	Slight	Limitation: ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
1064: Rock Outcrop-----	55	Severe: depth to rock	Slight	Severe: no water	Limitation: deep to water	Limitation: depth to rock	Limitation: depth to rock	Limitation: depth to rock
Lithic Eutrochrepts----	45	---	---	---	---	---	---	---
1805: Blue Earth Variant-----	100	Severe: seepage	Severe: seepage ponding	Severe: cutbanks cave	Limitation: frost action ponding cutbanks cave	Limitation: ponding	Limitation: too sandy ponding	Limitation: wetness
1825C: Seelyeville, sloping---	100	Severe: seepage	Severe: excess humus wetness	Severe: slow refill	Limitation: frost action slope subsides	Limitation: slope wetness	Limitation: wetness	Limitation: wetness
1828: Glencoe-----	100	Moderate: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: erodes easily soil blowing ponding	Limitation: erodes easily wetness

Water Management

Map symbol and soil name	Component percent	Limitations for--			Features affecting--			
		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
1842F: Cushing-----	55	Severe: slope	Severe: thin layer	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
Flak-----	45	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing droughty	Limitation: percs slowly slope soil blowing	Limitation: rooting depth slope droughty
1843C: Cushing-----	55	Severe: slope	Severe: thin layer	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
Demontreville-----	45	Severe: seepage slope	Moderate: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope soil blowing	Limitation: rooting depth slope droughty
1843E: Cushing-----	55	Severe: slope	Severe: thin layer	Severe: no water	Limitation: deep to water	Limitation: slope soil blowing	Limitation: slope soil blowing	Limitation: slope
Demontreville-----	45	Severe: seepage slope	Moderate: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope soil blowing	Limitation: rooting depth slope droughty
1879: Seelyeville, calcareous	100	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
1880: Martisco-----	100	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: flooding percs slowly ponding	Limitation: percs slowly soil blowing ponding	Limitation: soil blowing ponding	Limitation: percs slowly wetness
1892: Prebish-----	100	Moderate: seepage	Severe: piping wetness	Severe: no water	Limitation: frost action	Limitation: percs slowly wetness soil blowing	Limitation: wetness soil blowing	Limitation: wetness
1902B: Jewett-----	100	Moderate: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: erodes easily rooting depth slope	Limitation: erodes easily too sandy	Limitation: erodes easily rooting depth

See footnote at end of table.

Water Management

Map symbol and soil name	Component percent	Limitations for--			Features affecting--			
		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
CW: Census Water-----	100	---	---	---	---	---	---	---

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.
See text for definitions of terms used in this table. Absence of an entry indicates that no rating is applicable.)